

WHAT IS CLAIMED IS:

1. A reinforcing method of a concrete structure, comprising coating or impregnating a surface portion of the concrete structure with a composition containing (a) a quaternary ammonium silicate in an amount of 5 to 30 parts, in which SiO_2 is contained in an amount of 10% to 45% by weight, and (b) water in an amount of 95 to 70 parts, on a solid basis, wherein (a) + (b) = 100 parts by weight.
2. The method according to claim 1, in which said quaternary ammonium silicate is represented by $(\text{R}_3\text{N})_2\text{O} \cdot n\text{SiO}_2$, wherein R is an alkyl group having one or more carbon atoms, and n is an integer of 1 or more.
3. The method according to claim 1 or 2, in which said concrete structure is a deteriorated concrete structure.
4. The method according to any one of claims 1 to 3, in which said concrete structure is reinforced concrete or at least one cement structure selected from the group consisting of a formed article of a cement material, a formed plate thereof and a mortar-coated article.
5. The method according to any one of claims 1 to 4, in which after the coating or the impregnation, drying and hardening at ordinary temperature, low-temperature heating treatment at 60 to 120°C for 1 to 3 hours, or steam treatment is carried out.
6. A reinforced concrete structure obtained by the

method according to any one of claims 1 to 5.

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